

## Claims

- [c1] 1.I claim the application of embedded RF transmission and reception electronics to be located in the source audio component and associated subwoofer component. Said electronics designed primarily to provide enhanced wireless transmission and reception for the sub-bass frequencies using low power RF. Herein called signals that can include limited data exchange.
- [c2] 2.I claim the wireless transmission system of claim 1 whereby the wireless transmission means for communicating the subwoofer signal is through use of airwaves and associated antenna.
- [c3] 3.I claim the wireless transmission system of claim 1 wherein the AC power source is used for communicating the RF signal from the audio source component to the subwoofer. The RF is multiplexed on the line in a process commonly called carrier current transmission requiring no additional antenna.
- [c4] 4.I claim the wireless transmission system of claim 3 wherein other inherent dedicated wiring systems of existing structures are used to communicate the signals

from the source component to the subwoofer.

- [c5] 5.I claim the wireless transmission system of claim 1 wherein multiple sub bass channels are multiplexed on a single carrier and de-multiplexed at multiple subwoofer locations.
- [c6] 6.I claim the wireless transmission system of claim 1 the use of the RF signal only or multiplexed data to activate power or perform filter, level or other adjustments of the subwoofer or multiple subwoofers.
- [c7] 7.I claim the wireless transmission system of claim 1 whereby a direct-wired connection will cause deactivation of the wireless system with no user interface. When the direct connection is removed the wireless system activates and maintains the signal path invisibly.